

Powered Ventilator

Abstract

A solar powered ventilator arrangement in a cover member for covering the deck of boat. The ventilator has a base with an axial projection for receiving a pole to support and a first plurality of axial openings that surround the axial projection. A first intermediary member has a first end connected to the base and a second end that is separated from the first diameter by a radial wall. An axial bore extends from the radial wall to the second end and a second plurality of axial openings surround the axial bore. The radial wall has an external groove adjacent the peripheral surface for retaining the cover member. A motor retained in the axial bore has a fan that is located in a chamber formed by joining the first intermediary member with the base. A second intermediary member has a second axial bore for receiving the second end of the first intermediary member and a third plurality of axial openings. An end member has a second annular groove on a first face for receiving a solar panel and an annular axial projection located on a second face. A connector fixed to second face of the end member has a positive lead and a negative lead connected to the solar

panel. A plurality of screws that extends through the end member and the second intermediate member and engages the radial wall to align the second and third plurality of openings, compress the thickness of material of the cover member in the annular groove on the radial wall and bring the positive and negative leads into contact with the motor to energize the motor and activate the fan such that air is continually drawn into the chamber through the first plurality of openings and discharged into the environment through the second and third plurality of openings during periods of when light is received by the solar panel.